



PRODUCT / PROCESS CHANGE NOTIFICATION

PCN-000446

Date: October 10th, 2017

P1/2

<input type="checkbox"/>	Semtech Corporation, 200 Flynn Road, Camarillo CA 93012
<input checked="" type="checkbox"/>	Semtech Canada Corporation, 4281 Harvester Road, Burlington, Ontario L7L 5M4 Canada
<input type="checkbox"/>	Semtech Irvine, 5141 California Ave., Suite 100, Irvine CA 92617
<input type="checkbox"/>	Semtech Neuchatel Sarl, Route des Gouttes d'Or 40, CH-2000 Neuchatel Switzerland
<input type="checkbox"/>	Semtech Bristol - EMEA Limited, Block B, St James Court, Great Park Road, Bristol BS32 4QJ, UK
<input type="checkbox"/>	Semtech Corpus Christi SA de CV, Carretera Matamorros Edificio 7, Reynosa, Tamaulipas, Mexico 88780
<input type="checkbox"/>	Semtech Plano, 1101 Resource Drive, Suite 121, Plano TX 75074
<input type="checkbox"/>	

Change Details

Part Number(s) Affected: ROSA with flex (see list)	Customer Part Number(s) Affected: <input checked="" type="checkbox"/> N/A
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Description, Purpose and Effect of Change:

Adding a protective cover to the ROSA shipping tray in order to avoid flex bending during vacuum sealing at final packaging and shipping ROSAs to customers.

Change Classification	<input type="checkbox"/> Major <input checked="" type="checkbox"/> Minor	Impact to Form, Fit, Function	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Impact to Data Sheet	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	New Revision or Date	<input checked="" type="checkbox"/> N/A



Impact to Performance, Characteristics or Reliability:

None to product.

Implementation Date	Jan.10, 2018	Work Week	
Last Time Ship (LTS) Of unchanged product	NA	Affecting Lot No. / Serial No. (SN)	NA
Sample Availability	NA	Qualification Report Availability	Sept 15, 2017

Supporting Documents for Change Validation/Attachments:

- PRODDOC015942 (formerly Gendoc-058518), LC ROSA with flex – Packaging and Tray Specification
- Packing Tray Assessment Report

 LC ROSA with flex - Package and Tray Specification.docx
 Packing tray assessment report.doc

Issuing Authority

Semtech Business Unit:	Signal Integrity Products
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P2/2

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<p>FOR FURTHER INFORMATION & WORLDWIDE SALES COVERAGE: http://www.semtech.com/contact/index.html#support</p>		

List of PNs affected for PCN-000446:

GN3050	GN3052	GN3068	GN3250	GN3252	GN3257	GN3268	GN3270	GN3352	GN3357	GN3358	GN3368
GN3050-3EB6AL4E3	GN3052-3EA5AD7E3	GN3068-3EB6AL3E3	GN3250-3EB7AK8E3	GN3252-3EB8AN3E3	GN3257-3EB9AP6E3	GN3268-3EB7AM2E3	GN3270-3EC7AV3E3	GN3352-3EA8AL6E3	GN3357-3EB9AQ9E3	GN3358-3EF8AT6E3	GN3368-3EC8AT6E3
GN3050-3EB6AM3E3	GN3052-3EA5AJ4E3	GN3068-3EB6AM3E3	GN3250-3EB7AM2E3	GN3252-3EB8AT3E3	GN3257-3EB9AT5E3	GN3268-3EB7AM7E3	GN3270-3EC7AV8E3	GN3352-3EA8AL7E3	GN3357-3EB9AS6E3	GN3358-3EF8AT8E3	GN3368-3EC8AT8E3
GN3050-3EB6AM4E3	GN3052-3EA5AM3E3	GN3068-3EB6AM4E3	GN3250-3EB7AM7E3		GN3257-3EB9AU2E3	GN3268-3EB7AM8E3	GN3270-3EC7AV9E3	GN3352-3EB8AQ4E3	GN3357-3EB9AT6E3	GN3358-3EF8AU2E3	GN3368-3EC8AT9E3
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			GN3250-3EB7AN9E3			GN3268-3EB7AP6E3		GN3352-3EB8AR4E3	GN3357-3EB9AU2E3	GN3358-3EF8AT6E3	GN3368-3EC8AU8E3
			GN3250-3EB7AP2E3			GN3268-3EB7AS9E3		GN3352-3EB8AR6E3	GN3357-3EB9AU4E3		GN3368-3EC9AT6E3
			GN3250-3EB7AP6E3			GN3268-3EB7AT2E3		GN3352-3EB8AR9E3	GN3357-3EB9AU7E3		GN3368-3EC9AT8E3
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						GN3268-3EB7AU2E3		GN3352-3EB8AT4E3	GN3357-3EB9AV5E3		
						GN3268-3EB7AV4E3		GN3352-3EB8AV5E3	GN3357-3ED9AU2E3		
						GN3268-3EH8AN3E3		GN3352-3EB8AW4E3			



Affected SN list. xls



LC ROSA with flex - Package and Tray Specification

Revision A

5 Sept. 2017

PRODDOC015942 (formerly Gendoc-058518)

Goran Perosevic

Revision History

Revision	ECR	Date	Modifications / Changes
A	038505	5-Sept-2017	Adding a cover to a shipping tray

Scope

The scope of this document is to specify packaging specification for LC ROSAs for shipping to customers.

Definition

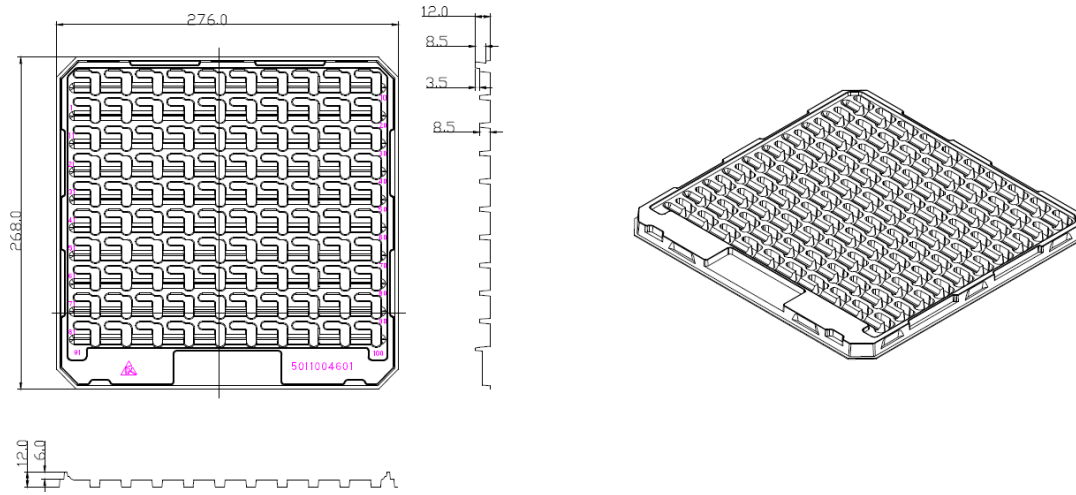
- ROSAs are packaged in the ESD protective bag.
- Package may contain ROSAs from a single QA lot (5 trays max, 100pcs/tray max) and contains a label with following information:
 - Marketing part number
 - Manufacturing part number
 - Description
 - Quantity
 - QA lot number
 - TIA lot number
 - PD lot number
 - Manufacturing date
 - Date Code
 - Marking bar code
- Tray is labelled with following information:
 - QA lot number
 - Tray number
 - Quantity
 - Date

ROSA shipping label (example only)

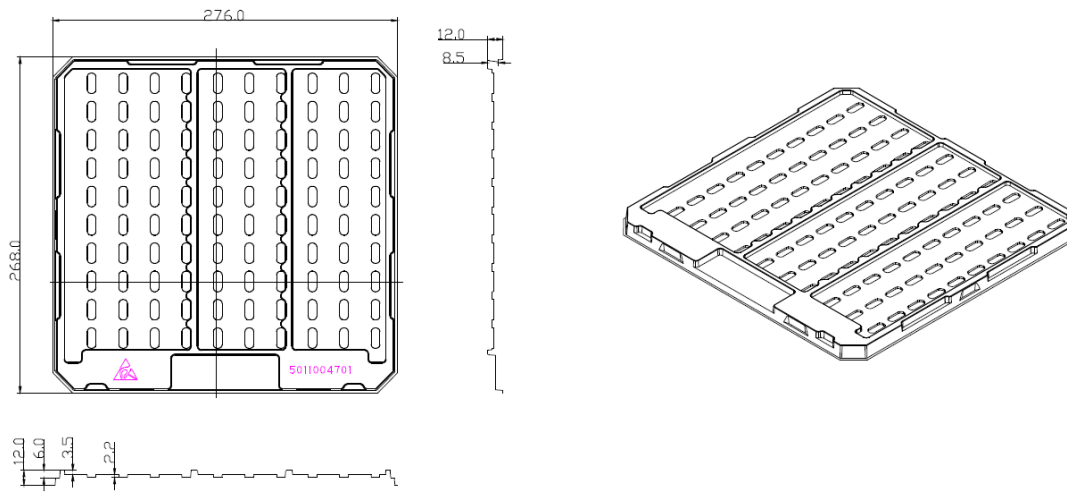


LC ROSA with flex Shipping Tray and Cover Specification

ROSA shipping tray:



ROSA shipping tray cover:





**DOCUMENT IDENTIFICATION
BUILD REFERENCE DOCUMENT**

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Packing Tray Assessment Report

Revision No.	Change Description	Prepared By	Approved By
Rev1	V01	Fucheng Chen	Chengliang Li
		Aug.28 th .2017	Aug.28 th .2017

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1. Background

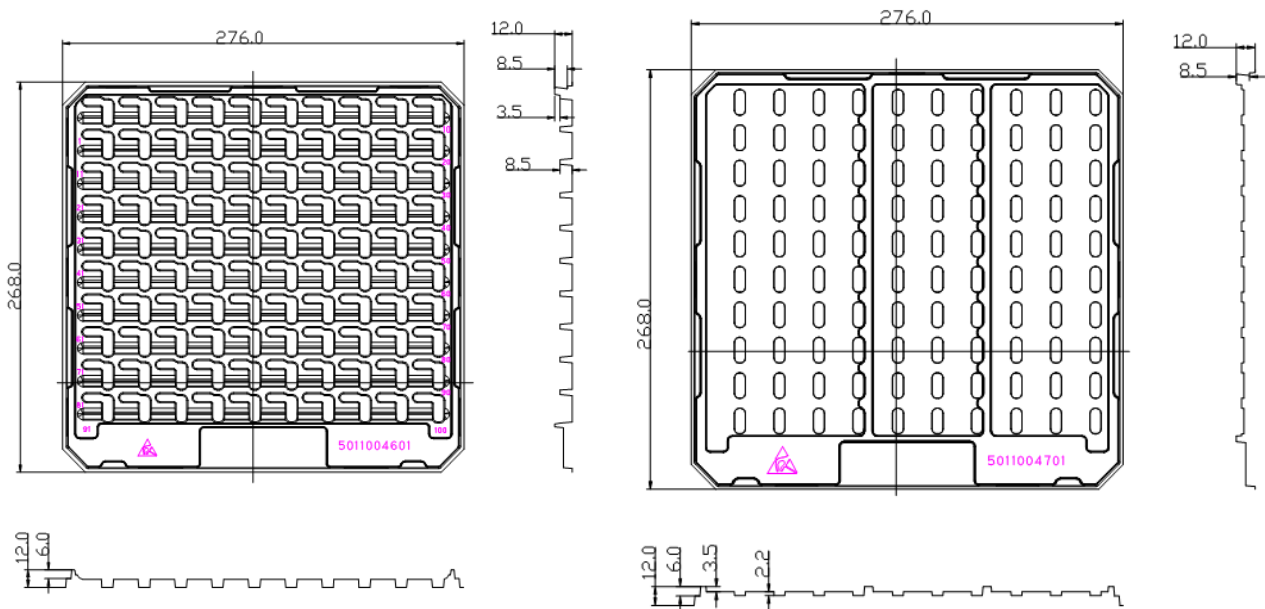
Hisense received end customer complain that flex was bent in existing packing tray. In order to resolve this issue, Hisense optimize packing method and add packing cover.

2. Assessment test Result

The evaluation result is positive. It means the packing tray from CYG is suitable for production packing.

2.1 Drawing

Compare with old packing tray, the size is the same.



Packing tray

Packing cover

Tray size measure

	length	wide	slot depth	actual test 1	actual test 2	actual test 3
tray	276mm	268mm	8.5mm	8.8mm	8.7mm	8.8mm
cover	276mm	268mm	2.2mm	2.3mm	2.3mm	2.4mm
gap	/	/	6.3mm	6.5mm	6.4mm	6.4mm

Tolerance: $\pm 0.5\text{mm}$

Barrel size

square barrel	5.6mm
round barrel	5.9mm



5011004601
packing tray.pdf



5011004701
packing cover.pc

2.2 Report Summary

Sample passed all test. More detail please find attached reports.

1) MSDS



packing tray PS
MSDS report.pdf



packing cover
ESD PET MSDS r

2) ROHS



packing tray PS
SGS report.pdf



packing cover
ESD PET SGS rep

3) Drop report



New packing tray
Drop Test Report 20

4) ESD report

Packing tray ESD data

Item	Spec	Data A	Data B	Data C	Result
Surface Pesisvity	10e4~10e11Ω	1.29*10e10Ω	2.02*10e10Ω	2.04*10e10Ω	pass
Static Voltage	≤20V	2	2	2	pass
Friction Voltage	≤100V	2	2	3	pass

Packing cover ESD data

Item	Spec	Data A	Data B	Data C	Result
Surface Pesisvity	10e4~10e11Ω	1.19*10e10Ω	1.34*10e10Ω	3.06*10e10Ω	pass
Static Voltage	≤20V	2	2	2	pass
Friction Voltage	≤100V	2	5	13	pass



packing tray&cover
ESD report.pdf

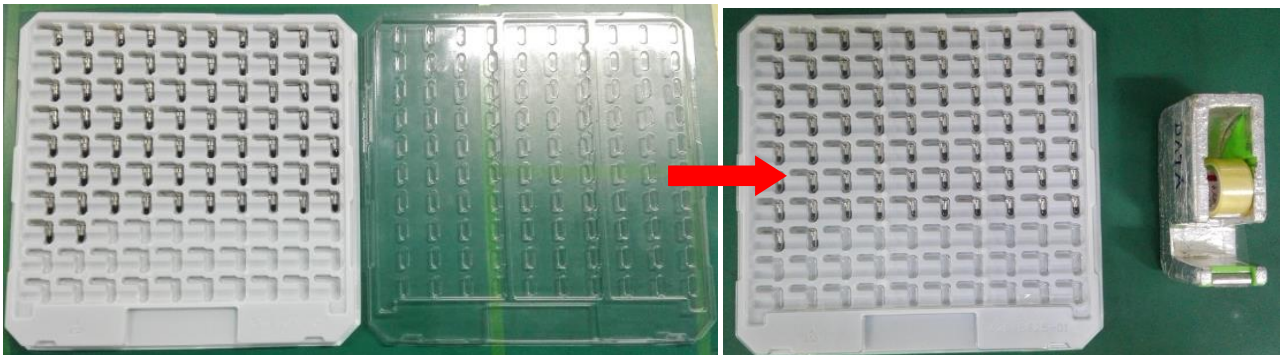
5) Particle report



PET 吸塑托盘 LP
C 2017.8.28.pdf

6) Packing inspection

Put productions into new packing tray and put the cover on the tray. Packing with adhesive tape and put in ESD bag. Then vacuum packing. The packing appearance is well.



3. Conclusion

This is assessment result for CYG packing tray and the result is passed. Therefore, the packing tray from CYG can be used for mass production.